



THE CITY OF SAN DIEGO

Mission Valley Basin

FACT SHEET



Mission Valley Well

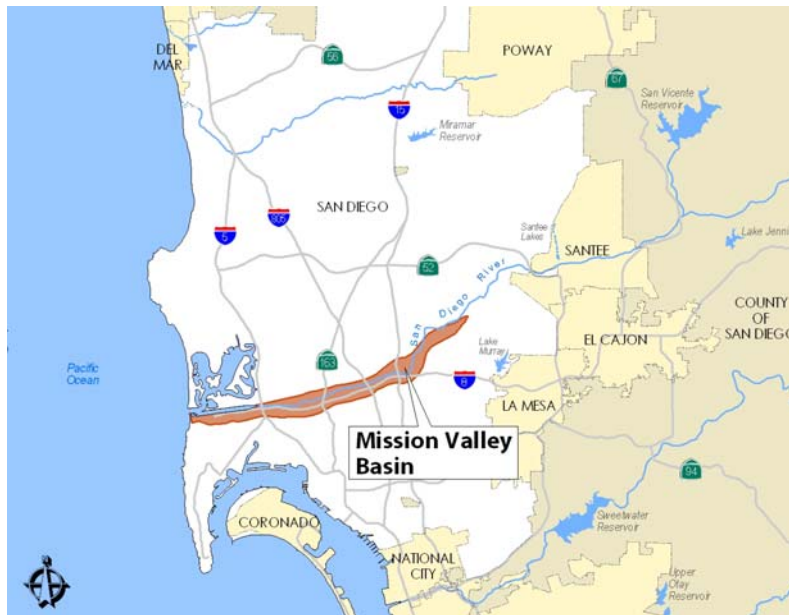
A water resource strategy that includes conservation, recycled water, and groundwater supplies will help meet future water needs.



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Developing Potable Water Supplies

One of the top priorities of the City of San Diego is developing new local water supplies and storage. The use of groundwater reduces reliance on imported water supplies and contributes to a regional effort to reduce demands for imported water.



Basin Overview

The Mission Valley Basin is located in the central region of the city. Since 1986 petroleum products have been discharged into the ground affecting the quality of groundwater in the basin. In 1992, a clean-up order was issued to the responsible party by the Regional Water Quality Control Board. Insufficient clean-up efforts could impact city's plan to implement project.

Basin Capacity

Approximate yield and storage capacity of the basin is 2,000 to 4,000 acre-feet per year (AFY) and 42,000 AF respectively.

Project: Mission Valley Brackish Groundwater Desalination Project

Estimated Cost: \$25 million

Estimated Timeline: 4-5 years

This project would extract and desalinate native groundwater through reverse osmosis resulting in approximately 2,000 AFY of groundwater. Desalinated water would be conveyed locally to the distribution system in Mission Valley. Joint efforts by the United States Geological Survey and the city are underway to collect and analyze groundwater data to estimate water supply potential of the basin. A deep monitoring well was drilled in 2005 as part of this effort.